

UPDATED EAST Search History *CASE 10/624,929*

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S57	1	("6137764").PN.	USPAT; USOCR	OR	OFF	2006/02/24 15:53
S58	1	"20040017758"	US-PGPUB; USPAT	OR	OFF	2006/02/24 17:23
S59	1	S58 and (reference adj medium)	US-PGPUB; USPAT	OR	OFF	2006/02/24 15:53
S60	214142	(piezoelectric\$1 or (piezo adj electric\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S61	4272	S60 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S62	1678	S60 and "369"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S63	2322	S60 and "385"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S64	99	S61 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S65	26442	(piezoelectric\$1 or (piezo adj electric\$1)) with (substrate\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53

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S66	395	((piezoelectric\$1 or (piezo adj electric\$1)) adj effect\$1) with (substrate\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S67	0	((piezoelectric\$1 or (piezo adj electric\$1)) adj effect\$1) with (substrate\$1) with (wavefront\$1 or (wave adj front\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S68	0	((piezoelectric\$1 or (piezo adj electric\$1))) with (substrate\$1) with (wavefront\$1 or (wave adj front\$1)) with chang\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S69	1642	(piezoelectric\$1 or (piezo adj electric\$1)) same diffraction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S70	339	S69 and "359"/\$.cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S71	193	S70 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:14
S72	5	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2) same diffraction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S73	1045	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53

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S74	254	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2 with voltage\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S75	137	S74 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S76	11	S75 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S77	489	S73 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S78	352	S77 not S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S79	14	S78 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S80	5	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2) same diffraction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S81	137	S74 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53

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S82	5	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2) same diffracti\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S83	2131	(piezoelectric\$1 or (piezo adj electric\$1)) same diffracti\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S84	1068	S83 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S85	204	S84 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S86	11	S85 not S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S87	2666	(piezoelectric\$1 or (piezo adj electric\$1)) same grating\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S88	1429	S87 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S89	201	S88 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53

EAST Search History

S90	3	((piezoelectric\$1 or (piezo adj electric\$1)) with chang\$3 with thickness\$2) same grating\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S91	39469	diffraction adj grating\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S92	5699	S91 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S93	3180	S92 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S94	13029	diffraction\$1 with reflection\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S95	1910	S94 and "359"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S96	937	S95 and @ad<="19991228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S97	864	S95 and @ad<="19981228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53

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S98	73	S96 not S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S99	2967	S92 and @ad<="19981228"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 0	0	diffraction\$1 and (jack adj dinh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 1	355	diffraction\$1 and (dinh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 2	0	diffraction\$1 and (jack adj dinh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 3	34	diffraction\$1 and (jack with dinh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 4	3300	(359/290,291,295,298,224,322, 572,573).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:14
S10 5	4075	(piezoelectric\$1 or (piezo adj electric\$1)) same (diffracti\$3 or grating\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:19

EAST Search History

S10 6	72	S104 and S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S10 7	1	("6628599").PN.	USPAT; USOCR	OR	OFF	2006/02/24 15:53
S10 8	1	"20040017758"	US-PGPUB	OR	OFF	2006/02/24 15:53
S10 9	1	"20040017758"	US-PGPUB; USPAT	OR	OFF	2006/02/24 15:53
S11 0	1	S109 and convexities	US-PGPUB; USPAT	OR	OFF	2006/02/24 15:53
S11 1	1	S109 and (convexities with groove\$1)	US-PGPUB; USPAT	OR	OFF	2006/02/24 15:53
S11 2	7777	(dielectric adj layer\$1) with reflect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S11 3	5	(dielectric adj layer\$1) with reflect\$3 with ribbon\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:53
S11 4	1	("6335831").PN.	USPAT; USOCR	OR	OFF	2006/02/24 15:53
S11 5	0	S114 and dielectric	USPAT	OR	OFF	2006/02/24 15:53
S11 6	3444	(359/290,291,295,298,224,322, 572,573,260).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:18
S11 7	179	S116 and @pd>="20051101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:16

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S11 8	2266	(359/245,279,323,315,579).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:47
S11 9	38	S105 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:19
S12 0	83	(359/579).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 16:47

INTERFERENCE EAST Search History CASE 10/624929

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	((piezoelectric\$1 or (piezo adj electric\$1)) with medium with first with second with area\$1).clm.	US-PGPUB	OR	OFF	2006/02/24 17:26
L4	2	((piezoelectric\$1 or (piezo adj electric\$1)) with medium with first with second with area\$1).clm.	US-PGPUB	OR	OFF	2006/02/24 17:25

Search Results Case No. 10/626,929

US 6088148 A	USPAT	Micromagnetic light modulator	359/280
US 6181458 B1	USPAT	Mechanical grating device with optical coating and method of making mechanical grating device with optical coating	359/290
US 6141139 A	USPAT	Method of making a bistable micromagnetic light modulator	359/280
US 6335831 B1	USPAT	Multilevel mechanical grating device	359/573
US 6295157 B1	USPAT	Thermally balanced acousto-optic modulator	359/285
US 5768454 A	USPAT	Method of and system for writing a bragg grating point by point by point in an optical fiber	385/37
US 5613022 A	USPAT	Diffraction display and method utilizing reflective or transmissive light yielding single pixel full color capability	385/37
US 4257016 A	USPAT	Piezo-optic, total internal reflection modulator	359/305
US 6211993 B1	USPAT	Thin film ferroelectric light modulators	359/260
US 6628599 B2	USPAT	Variable optical element, a pickup apparatus having the variable optical element, and an information recording and reproducing apparatus having the pickup apparatus	369/112.01
US 20040017758 A1	US-PGPUB	Variable optical element, a pickup apparatus having the variable optical element, and an information recording and reproducing apparatus having the pickup apparatus	369/112.02
US 20010007549 A1	US-PGPUB	Variable optical element, a pickup apparatus having the variable optical element, and an information recording and reproducing apparatus having the pickup apparatus	369/112.05

NPL SEARCH (INSPSC) HISTOBT CASE 10/624929

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Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(piezoelectric\$1 OR piezo ADJ electric\$1) WITH chang\$3 WITH thickness\$2 SAME diffraction\$1	unrestricted	0	-
2	INZZ	(piezoelectric\$1 OR piezo ADJ electric\$1) SAME diffraction\$1	unrestricted	1735	show titles

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- ☒ Classification codes A: Physics, 4-5
- ☒ Classification codes A: Physics, 6
- ☒ Classification codes A: Physics, 7
- ☒ Classification codes A: Physics, 8
- ☒ Classification codes A: Physics, 9